

On page 1, line 13, change "beam, also having" to --beam;--.

On page 1, line 16, change "signals, and also having" to --signals;  
and--.

On page 1, before line 21, insert:  
--BACKGROUND INFORMATION--.

On page 1, line 21, change "known from" to --described in--.

On page 1, line 22, change "126 475 B1. In this known" to --No. 0 126  
475. In this conventional--.

On page 1, line 24, change "interferometrically, a beam gun unit  
having" to --interferometrically. A beam gun unit that has--.

On page 1, line 25, change "sources" to --sources,--, and change  
"wavelengths being" to --wavelengths, is--.

On page 2, line 6, change "used, the" to --used. The--, and change  
"being" to --is--.

On page 2, line 11, change "having" to --that has--.

On page 2, line 36, change "39 06 118 A1" to --No. 39 06 118--.

On page 3, line 2, change "known" to --conventional measuring  
device--.

On page 3, line 3, delete "design".

On page 3, before line 6, insert:

--SUMMARY--.

On page 3, line 6, change "The" to --An--.

On page 3, line 7, delete "of the type".

On page 3, line 8, delete "mentioned in the preamble,".

On page 3, line 14, change "This" to --The--, and change "features of Claim 1" to --the present invention--.

On page 3, line 18, delete "it has been found that"

On page 3, line 19, change "having at the same time" to --that have--.

On page 4, line 4, change "multiplex" to --multiplexing--.

On page 4, delete lines 9-12, and insert: fibers, for example.

A  
The present invention also has an embodiment that is advantageous for--.

On page 4, line 13, change "design" to --embodiment--.

On page 5, line 1, change "having" to --that has--.

On page 5, line 3, delete "is".

On page 5, line 4, change "arrangement is favorable for the" to --arrangement, is favorable for--.

On page 5, line 5, delete "the".

On page 5, line 16, change "having" to --that has--.

On page 5, line 17, change "arm, an" to --arm. An--.

On page 5, delete lines 27-32, and insert:

--BRIEF DESCRIPTION OF THE DRAWING

A2  
The Figure schematically shows an arrangement of components of an interferometric measuring unit for detecting the shape of rough surfaces.

DETAILED DESCRIPTION--.

A3  
On page 5, line 36, after "4" insert: that has a rough surface to be measured is.

On page 5, delete line 37, and insert: --rotating table 15 and is--.

On page 6, line 7, change "8 and" to --8,--.

On page 6, line 10, change "as well as" to --and--.

On page 6, line 14, change "conceivable" to --possible--.

On page 6, line 19, change "having" to --that have---.

On page 6, line 31, change "designed" to --designed, for example--.

On page 6, line 37, change "which" to --that--.

On page 7, line 3, change "having" to --that has--.